

Converting Colors

XYZ(50.0944, 37.1519, 70.4142)

Have a look what the booklet for
XYZ(50.0944, 37.1519, 70.4142)
contains.

XYZ(50.1018, 37.2431, 70.1936)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.1018, 37.2431,
70.1936)**

Conversions

Conversions Part 1

Format	Color
Hex	DA87D9
RGB	218, 135, 217
RGB Percent	85%, 53%, 85%
CMY	0.1451, 0.4706, 0.1490
CMYK	0.00, 0.38, 0.00, 0.15
HSL	301°, 53%, 69%
HSV	301°, 38%, 85%
XYZ	50.1018, 37.2431, 70.1936
YIQ	169.1650, 23.1460, 43.0980

Conversions

Conversions Part 2

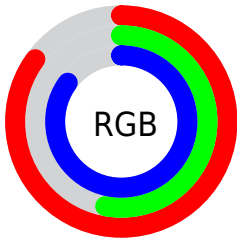
Format	Color
R _Y B	218, 135, 217
Decimal	14321625
CIE Lab	67.46, 44.16, -28.88
CIE LCh	67, 52.767, 326.820
Yxy	37.2431, 0.3180, 0.2364
Android (android.graphics.Color)	4292511705 (0xFFDA87D9)
YUV	169.1650, 23.5827, 42.8283
Hunter-Lab	61.0271, 39.7467, -25.4766

Details

The XYZ color **50.1018, 37.2431, 70.1936** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **39.5086, 57.0726, 32.2284**, and the grayscale version is **37.6737, 39.6357, 43.1633**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **24.5151, 16.4765, 36.0706** is the 20% darker color. If you saturate the color by 10%, you get **47.3322, 31.7578, 69.1022**, and if you desaturate by 10%, it is **53.4966, 43.9772, 71.4944**.

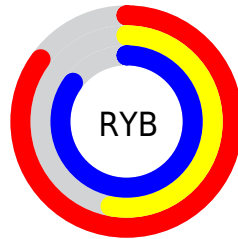
Distribution



Red (85%)

Green (53%)

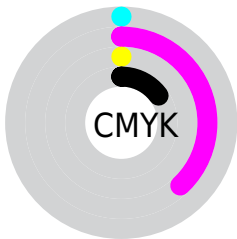
Blue (85%)



Red (85%)

Yellow (53%)

Blue (85%)

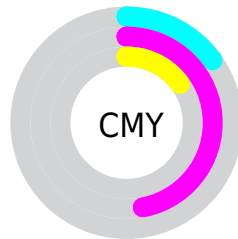


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (15%)



Cyan (15%)


Magenta (47%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1018, 37.2431, 70.1936 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.1018, 37.2431, 70.1936 by changing the saturation by 10% instead.


 50.1018, 37.2431,
70.1936

 50.1018, 37.2431,
70.1936

377.5093,
334.3618, 480.0370


 35.7124, 25.3958,
51.2066


 89.5166, 70.9465,
121.1685

 24.3813, 16.3722,
35.9952

 115.2727, 93.5714,
153.9935

 15.7429, 9.7879,
24.1408


 145.5485,
120.5576, 192.2682

 9.4321, 5.2585,
15.2249

180.7093,
152.2894, 236.4112

 5.0835, 2.3997,
8.8290

221.1204,
189.1514, 286.8411

 2.3316, 0.8258,
4.5345

267.1472,

 0.8107, 0.0000,

231.5279, 343.9763

1.9229

319.1551,
279.8032, 408.2354

■ 0.0000, 0.0000,
0.5073

■ 0.0000, 0.0000,
0.0000

■ 50.1018, 37.2431,
70.1936

■ 50.1018, 37.2431,
70.1936

■ 47.3322, 31.7578,
69.1022

■ 53.4966, 43.9772,
71.4944

■ 45.1458, 27.4397,
68.2051

■ 57.5480, 52.0250,
73.0140

■ 43.5015, 24.2055,
67.4890

■ 62.2895, 61.4531,
74.7638

■ 42.3510, 21.9588,
66.9377

■ 67.7515, 72.3221,
76.7542

41.6375, 20.5863,
66.5324

73.9624, 84.6889,
78.9944

41.2798, 19.9250,
66.2460

77.4046, 91.5179,
80.3119

41.2276, 19.8311,
66.1963

77.4391, 91.5317,
80.4939

77.4737, 91.5456,
80.6761

77.5084, 91.5595,
80.8587

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9020, 37.2431, 94.8145



50.1018, 37.2431, 70.1936



53.3406, 37.2431, 43.0769

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.1018, 37.2431, 70.1936



36.2696, 37.2431, 10.3271



23.2374, 37.2431, 64.1936

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.1018, 37.2431, 70.1936



39.5086, 57.0726, 32.2284

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.0120, 37.2431, 38.1266



50.1018, 37.2431, 70.1936



28.8251, 37.2431, 12.3466

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1018, 37.2431, 70.1936



44.6260, 37.2431, 13.5008



23.8962, 37.2431, 20.7087



27.5396, 37.2431, 90.5213

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.1018, 37.2431, 70.1936



52.5007, 37.2431, 28.9637



23.8962, 37.2431, 20.7087



22.4834, 37.2431, 54.8787

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.1030, 37.2448, 70.1944



86.6910, 83.3691, 105.8453



31.3122, 27.5426, 69.9966



18.3537, 17.4432, 22.5809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.1030, 37.2448, 70.1944



68.1086, 46.4802, 98.8003



45.4649, 35.3895, 45.7704



13.6073, 13.2720, 16.4591



24.7024, 11.8820, 39.6743



1.6026, 0.7707, 2.5820

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.1030, 37.2448, 70.1944



68.1086, 46.4802, 98.8003



42.9506, 58.4494, 50.3539



13.6073, 13.2720, 16.4591



24.7024, 11.8820, 39.6743



1.6026, 0.7707, 2.5820

Previews

White Background



This preview shows how the XYZ color 50.1018, 37.2431, 70.1936 looks on a white background.

Color Contrast Check

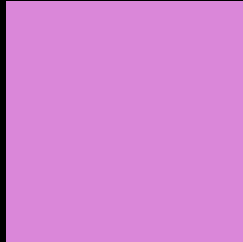
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.1018, 37.2431, 70.1936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

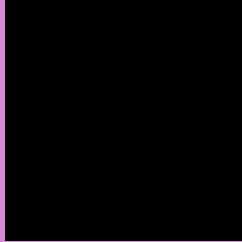
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1018, 37.2431, 70.1936

Background



This preview shows how black text looks on a background with the XYZ color 50.1018, 37.2431, 70.1936.



This preview shows how white text looks on a background with the XYZ color 50.1018, 37.2431,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.1018, 37.2431, 70.1936

Protanopia

39.1682, 37.5892, 86.0800

Deuteranopia

38.3216, 37.5627, 67.5179



Tritanopia

43.1836, 37.0377, 37.2207

Trichromacy



Original Color

50.1018, 37.2431, 70.1936



Protanomaly

41.6596, 36.4945, 79.7113



Deuteranomaly

41.7259, 36.7765, 68.5177



Tritanomaly

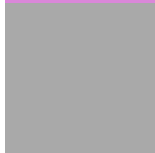
45.3997, 37.0457, 47.4055

Monochromacy



Original Color

50.1018, 37.2431, 70.1936



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.4134, 38.2239, 51.6496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1018, 37.2431, 70.1936 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(218, 135, 217)` looks like.

```
.text, #text, p{  
    color:rgb(218, 135, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(218, 135, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 135, 217) }
```

Border

The CSS property to change the border of an element to XYZ 50.1018, 37.2431, 70.1936 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 135, 217) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(218, 135, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(218, 135, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 135, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 135, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 135,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1018, 37.2431, 70.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 135, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(218,  
135, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor